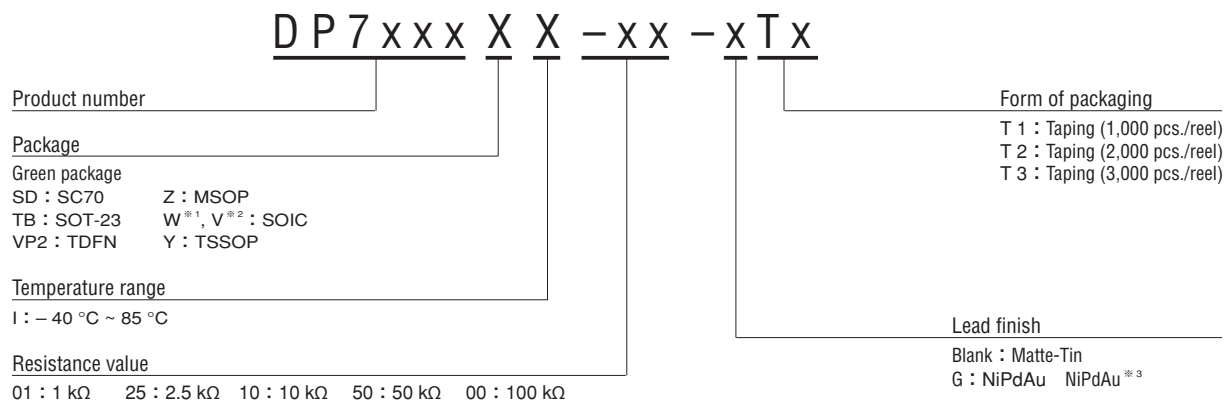


DP series

DIGITAL POTENTIOMETERS

PART NUMBER DESIGNATION



※ 1 : The relevant products are as follows.
 DP7111/DP7112/DP7113/DP7115

※ 2 : The relevant products are as follows.
 DP7110 / DP7111 / DP7112 / DP7113 /
 DP7115 / DP7118 / DP7119 / DP7120 /
 DP7121 / DP7122 / DP7132 / DP7140 /
 DP7172
 Except MSOP package of DP7111, DP7113

● Taping code and quantity

Package	Pin no.	Taping quantity (pcs./reel)	
		2,000	3,000
SC70	5/6		○
SOT-23	5/6/8		○
TDFN	8		○
MSOP	8		○
MSOP	10		○
SOIC	8		○
TSSOP	8		○
TSSOP	20	○	
TSSOP	24	○	

DP series

DIGITAL POTENTIOMETERS

LIST OF PART NUMBERS

Product number	Pot	Tap	(V) Power supply voltage	(k Ω) Total resistance value *	I/F	(Hz) Clock frequency	(Ω) Wiper resistance	(mA) Wiper current	Package *	Note
DP7112	1	32	2.5-6.0	10, 50, 100	U/D	1 M	—	—	8MSOP/8SOIC/8TSSOP	With buffer
DP7115	1	32	2.5-5.5	10, 50, 100	U/D	1 M	400@2.5 V/200@5 V	1	8MSOP/8SOIC/8TSSOP	Volatile
DP7111	1	100	2.5-6.0	10, 50, 100	U/D	1 M	—	—	8MSOP/8SOIC/8TSSOP	With buffer
DP7113	1	100	2.5-6.0	1, 10, 50, 100	U/D	1 M	1k@2.5 V/400@5 V	± 4.4	8MSOP/8SOIC/8TSSOP	
DP7221	2	64	2.5-6.0	2.5, 10	2W	400 k	300@3 V/150@5 V	± 6	20TSSOP	
DP7411	2	64	2.5-6.0	10, 50, 100	SPI	3 M	300@3 V/150@5 V	± 6	24TSSOP	
DP7419	2	64	2.5-6.0	10, 50	2W	400 k	300@3 V/150@5 V	± 6	24TSSOP	
DP7261	2	256	2.5-6.0	50, 100	SPI	3 M	300@3 V/150@5 V	± 6	24TSSOP	
DP7269	2	256	2.5-6.0	50, 100	2W	400 k	300@3 V/150@5 V	± 3	24TSSOP	
DP7241	4	64	2.5-6.0	2.5, 10, 50, 100	2W	400 k	300@3 V/150@5 V	± 6	20TSSOP	
DP7401	4	64	2.5-6.0	2.5, 10	SPI	3 M	300@3 V/150@5 V	± 6	24TSSOP	
DP7409	4	64	2.5-6.0	10, 50, 100	2W	400 k	300@3 V/150@5 V	± 6	24TSSOP	
DP7251	4	256	2.5-6.0	50, 100	SPI	3 M	300@3 V/150@5 V	± 6	24TSSOP	
DP7259	4	256	2.5-6.0	50, 100	—	400 k	300@3 V/150@5 V	± 3	24TSSOP	
DP7120	1	16	2.7-5.5	10, 50	U/D	1 M	600@2.7 V	± 1.3 (10, 50 k Ω)	6SC70/6SOT-23	Volatile
DP7121	1	16	2.7-5.5	10, 50	U/D	1 M	600@2.7 V	± 1.3 (10, 50 k Ω)	6SC70/6SOT-23	Volatile
DP7122	1	16	2.7-5.5	10, 50	U/D	1 M	600@2.7 V	± 1.3 (10, 50 k Ω)	5SC70/5SOT-23	Volatile
DP7110	1	32	2.7-5.5	10, 50, 100	U/D	1 M	600@2.7 V	± 1.3 (10, 50 k Ω)/ ± 0.6 (100 k Ω)	6SC70/6SOT-23	Volatile
DP7118	1	32	2.7-5.5	10, 50, 100	U/D	1 M	600@2.7 V	± 1.3 (10, 50 k Ω)/ ± 0.6 (100 k Ω)	5SC70/5SOT-23	Volatile
DP7119	1	32	2.7-5.5	10, 50, 100	U/D	1 M	600@2.7 V	± 1.3 (10, 50 k Ω)/ ± 0.6 (100 k Ω)	6SC70/6SOT-23	Volatile
DP7132	1	128	2.7-5.5	10, 50, 100	2W	400 k	200@8 V/150@12 V	± 3	10MSOP	Pot 8 ~ 16 V Pot voltage 8 ~ 16 V
DP7140	1	256	2.5-5.5	50	2W	400 k	200@3.3 V	± 3	8MSOP	
DP7172	1	256	2.7-5.5	50, 100	SPI	25 M	250@3 V/120@5V	± 3	8SOT-23	Volatile

Legend Pot : No. of potentiometer Tap : No. of taps I/F : Interface type U/D : UP/DOWN SPI : Serial Peripheral Interface 2W : 2-wire interface

* Resistance value will vary depending on the package. For details, please contact us.

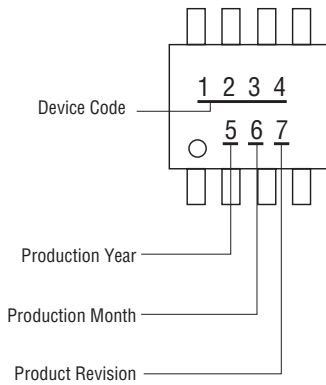
Copal DP	Development Support Kit for DP
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DP series DIGITAL POTENTIOMETERS

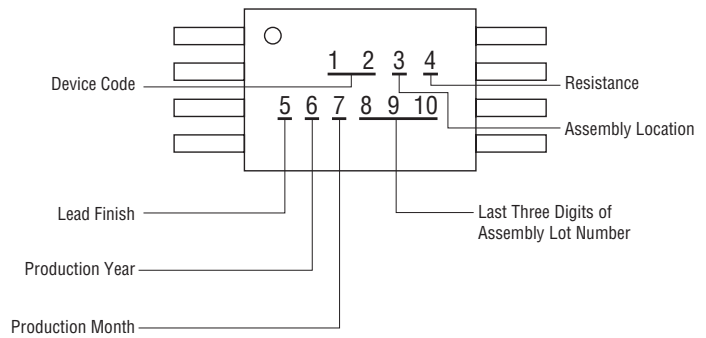
MARKING

Marking condition of IC top view is as follows;

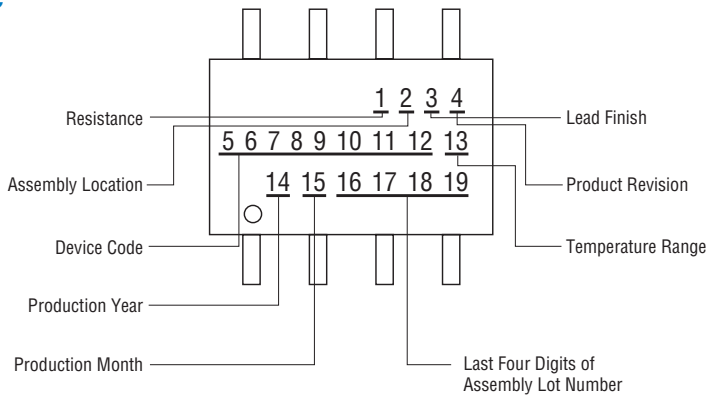
MSOP



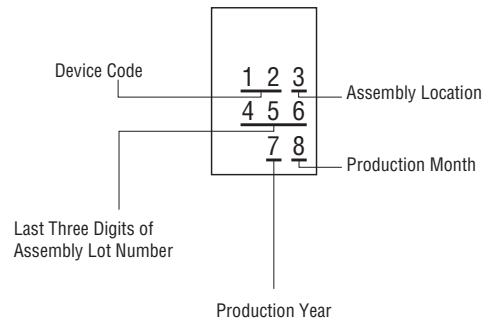
TSSOP



SOIC



TDFN



※ Regarding the details of each part number, please refer to respective specifications.

TAPING PACKAGING SPECIFICATIONS

